United States Navy DL Perspective

CAPT Hank Reeves

Navy eLearning Project Director

18 August 2009

PEO EIS
ENTERPRISE INFORMATION SYSTEMS
DEPARTMENT OF THE NAVY

Sea Warrior
PROGRAM
PMW 240

DL Management in the Navy

- **Total Force**
  - Navy e-Learning (NeL) component of the Integrated Learning Environment (ILE) provides enterprise-wide, self-paced training opportunities to NETC commands, Navy system commands (SYSCOMS), DoN civil service, DoN contractors, DoN retirees, DoN dependents, foreign nationals, and other federal employees
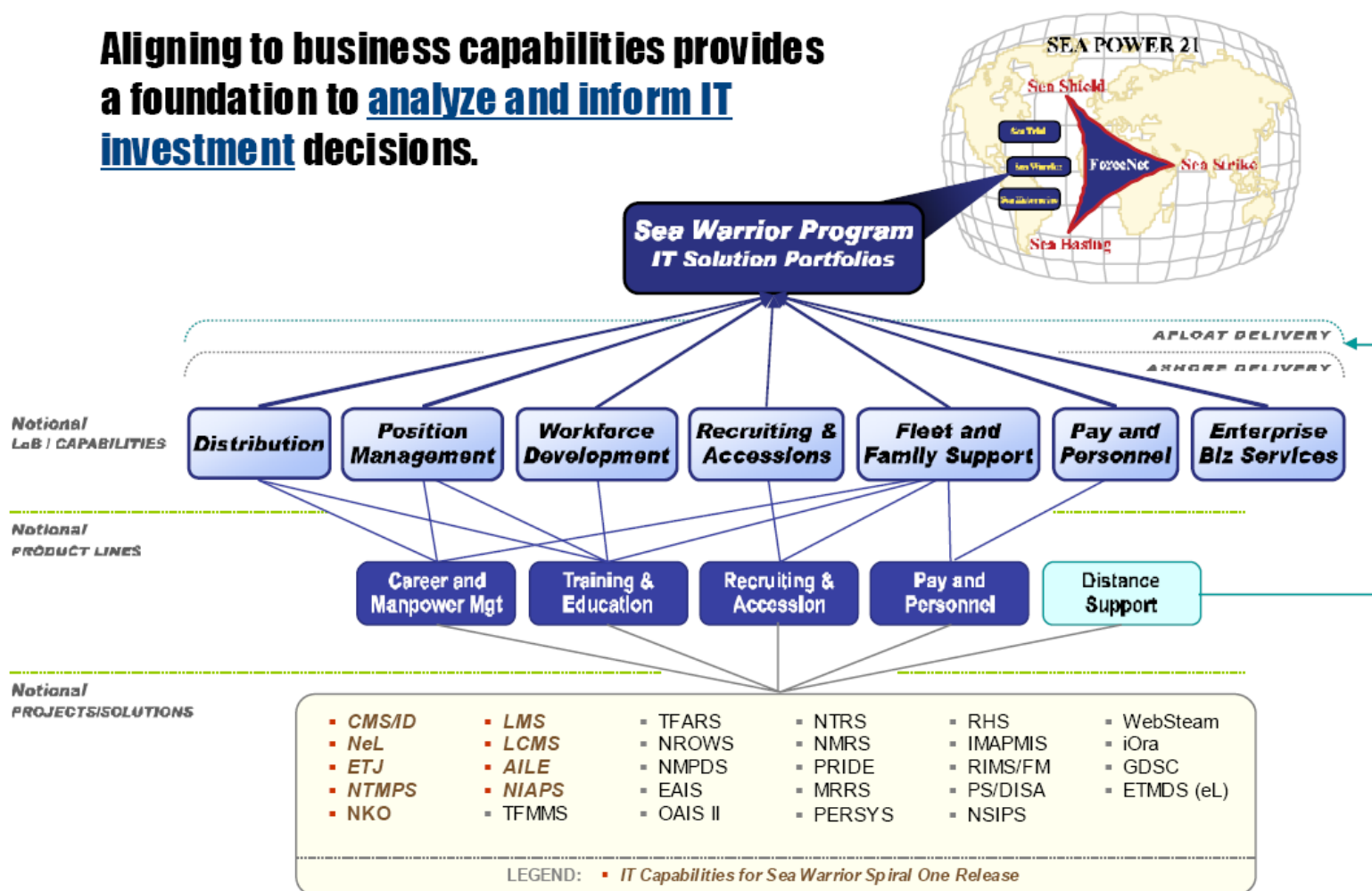
- **Learning Centers**
  - Partner with Fleet representatives to define individual human performance requirements for given tasks
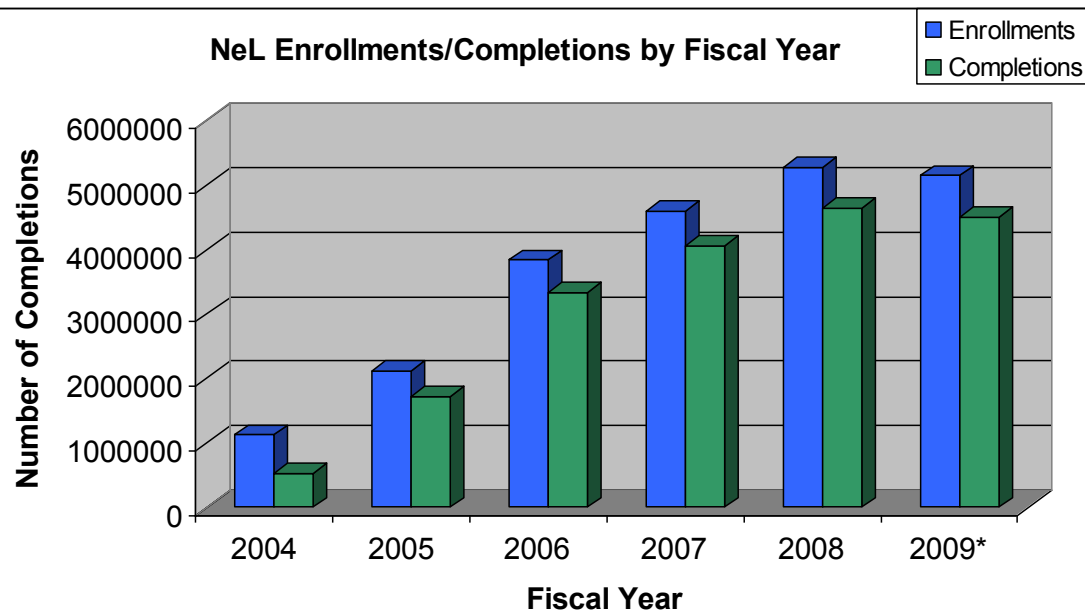
- **Fleet**
  - Recipient of an affordable, stable, and reliable information technology environment to access individual Electronic Training Jacket (ETJ) ashore or afloat, evaluate career options, identify learning and performance gaps, and obtain learning content and experiences necessary to close the gaps

PMW 240 Product Lines

Aligning to business capabilities provides a foundation to **analyze and inform IT investment** decisions.

Sea Warrior Program
IT Solution Portfolios

SEA POWER 21

Sea Shield
Sea Trial
Sea Warrior
ForceNet
Sea Strike
Sea Basing

AFLOAT DELIVERY
ASHORE DELIVERY

Notional LoB / CAPABILITIES

| Distribution | Position Management | Workforce Development | Recruiting & Accessions | Fleet and Family Support | Pay and Personnel | Enterprise Biz Services |

Notional PRODUCT LINES

| Career and Manpower Mgt | Training & Education | Recruiting & Accession | Pay and Personnel | Distance Support |

Notional PROJECTS/SOLUTIONS

- CMS/ID
- NeL
- ETJ
- NTMPS
- NKO
- LMS
- LCMS
- AILE
- NIAPS
- TFMMS
- TFARS
- NROWS
- NMPDS
- EAIS
- OAIS II
- NTRS
- NMRS
- PRIDE
- MRRS
- PERSYS
- RHS
- IMAPMIS
- RIMS/FM
- PS/DISA
- NSIPS
- WebSteam
- iOra
- GDSC
- ETMDS (eL)

LEGEND: ▪ *IT Capabilities for Sea Warrior Spiral One Release*

3

NeL Enrollments/Completions Overview

NeL Enrollments/Completions by Fiscal Year		
FY	Enrollments	Completions
2004	1,126,695	523,166
2005	2,121,187	1,715,954
2006	3,845,235	3,338,338
2007	4,600,551	4,067,726
2008	5,280,492	4,646,999
2009*	5,077,005	4,437,463

*FY09 are totals to date. Final numbers are not yet available.

Self-Paced Completion Metrics
(Last Six Months)

Afloat, Ashore, SIPR, RDILE Completions
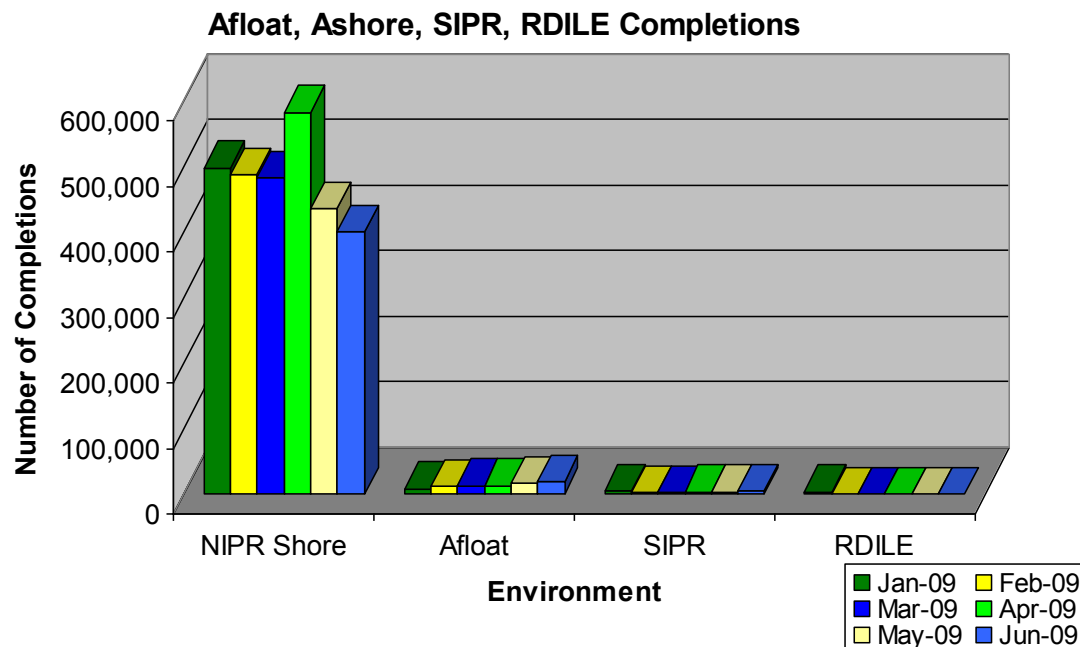
- **2,987,747 Completions in all environments over the last 6 month period.**

- **RDILE discontinued as of 30 Jan 2009. Final synchronization of transcripts into LMS - Feb 2009**

Month/Year	NIPR Shore	Afloat	SIPR	RDILE
Jan-09	498,218	7,830	3,859	2,812
Feb-09	487,354	11,603	2,485	18
Mar-09	481,827	12,746	2,716	0
Apr-09	582,870	12,819	3,187	0
May-09	435,923	16,141	2,989	0
Jun-09	400,099	18,504	3,747	0
	2,886,291	79,643	18,983	2,830

Table title: **Afloat, Ashore, SIPR, RDILE Completions**

Content Statistics – Hosted & Retired Last 60 days

Hosting Stats By Content Sponsor		
Sponsor Name	**Hosted**	**Retired**
CFHP	1	
CHNAVPERS	1	
CID LS San Diego LS	1	
CNATT		2
CPPD		1
CSCS	27	
CSS		1
FASW	1	
NAVAIR	1	1
NAVFAC		1
NAVMED MPT&E	41	1
NAVSEA	1	
NMOPDC		1
SPAWARSYSCEN	1	2
Total	**75**	**10**

Content Statistics – By Processing Category

- **Content Announced (117) by 17 sponsors**
- **Content Submitted (2) by 1 sponsor**
- **Content Received (3) by 2 sponsors**
- **Content in NeL Review (11) for 2 sponsors**
- **Content Returned (16) to 1 sponsor**
- **Content in Sponsor Review (182) for 19 sponsors**
- **Content Approved (13) for 4 sponsors**

Content Status as of 06 July 2009

Content Requiring Sponsor Action

Chart values: Announced 117, Submitted 2, Received 3, NeL Review 11, Returned 16, Sponsor Review 182, Approved 13
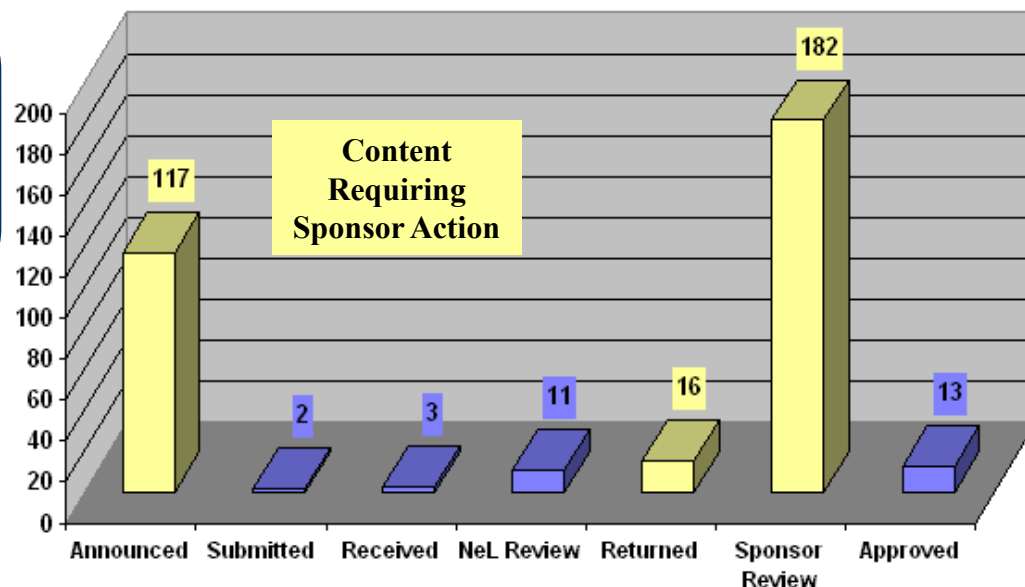
Sponsors with Content being Processed (Includes Content Count)		
CENSECFOR (1)	CSFE (3)	NAVWARCOL (7)
CEOD (1)	CSS (14)	NCC (5)
CFHP (2)	DOR (1)	NMOPDC (4)
CID LS San Diego (12)	MWLC (3)	NNWC (2)
CNATT (50)	NAVAIR (5)	OASN (FM&C) (1)
CNE (52)	NAVAIR TSD (34)	ONI (2)
CNI (16)	NAVFAC (10)	SLC (41)
CPPD (5)	NAVMED MPT&E (1)	
CSCS (63)	NAVSEA (9)	

344 Records

(see chart above for processing-stage breakdown)

These are areas which require Sponsor feedback and cannot be processed by NeL independently

Content Statistics – Suspended
(Exceeded 90 Days Without Sponsor Action/Feedback)

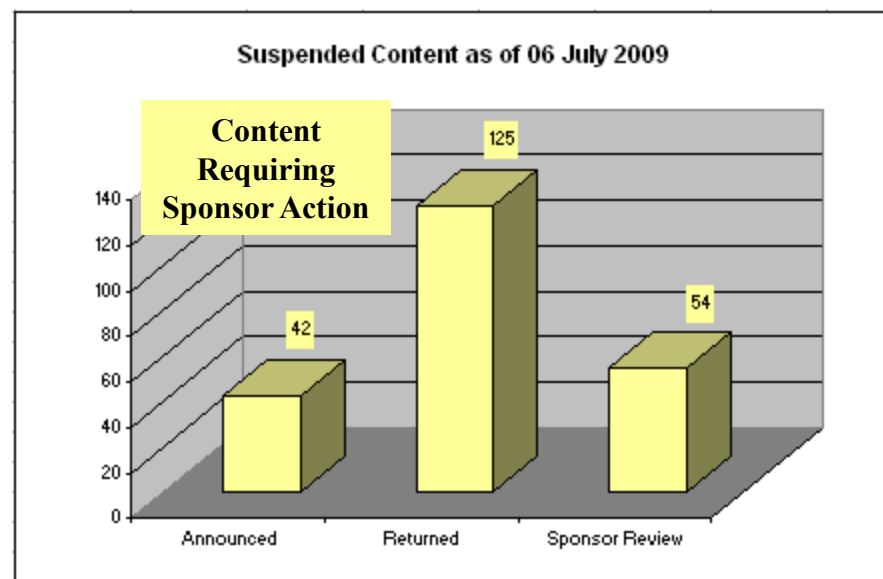**Status Category Code (SCC) at time of Suspension:**

Announced (42 – ⬆ from 1)

- Sponsor:
  - SLC (1 Record)
  - CSCS (41 Records)

Returned (125 Records – ⬇ from 127)

- Sponsor:
  - CENSECFOR (2 Records)
  - CNE (2 Records)
  - CSCS (18 Records)
  - NAVSEA (1 Records)
  - OPNAV 135D (1 Record)
  - SLC (101 Records)

Sponsor Review (54 Records – ⬆ from 50)

- Sponsor:
  - CENSECFOR (1 Record)
  - CNATT (43 Records)
  - MARCORSYSCOM (2 Records)
  - NAVAIR (1 Record)
  - NAVMED MPT&E (2 Records)
  - NRPDC (1 Record)
  - NSTC (1 Record)
  - NSWCDD (1 Record)

Suspended Content as of 06 July 2009

Content Requiring Sponsor Action

Announced: 42, Returned: 125, Sponsor Review: 54

These are areas which require Sponsor feedback and cannot be processed by NeL independently

⬌ No change in the # of Records Since Last Report

⬇ # of Records Decreased Since Last Report

⬆ # of Records Increased Since Last Report

DoD Instruction 1322.26

- **On June 16, 2006, DoD Instruction 1322.26, "Development, Management, and Delivery of Distributed Learning", was finalized. Link: http://www.dtic.mil/whs/directives/**

- **One of the main requirements is that "all acquired or developed DoD systems shall conform to the SCORM (current version) to ensure accessibility, durability, reusability, maintainability, and interoperability."**

- **This Instruction implements DoD policies, assigns responsibilities, prescribes procedures, and establishes information requirements to develop, manage, and deliver distributed learning for DoD personnel pursuant to DoD Directive 1322.18.**

Prioritization Framework

Priority Name	Priority Level	Priority Description
DOD MANDATORY	1	Training content that may be required for the Total Force. Usually assigned/verified by OPNAV or a higher authority.
LEARNING CENTER	2	Content funded by a Center and targeted toward schoolhouse or "A" School training, but is usually delivered in large amounts and requires more support and planning at NETPDTC.
GMT	3	General Military Training that is required to be accessed on an annual basis and should have annual updates (e.g. Prevention of Sexual Harassment).
SYSCOM	4	Content that is submitted by a Systems Command for hosting that was not funded by NETC and not developed for or by a Learning Center.
ORG	5	Content coming from other Navy Organizations or institutions (e.g. Navy War College, BUMED, Navy Reserves, etc).
OTHER	6	All other content not falling under one of the above categories (e.g. Legacy content).

Current Services

- **Test Track**
  - **"Self-service" environment that allows developers to import and test their SCORM prototypes and final content packages in an environment representative of NeL.**
  - **Provides metadata editor and capability for developer to validate their content against required NeL deliverables.**
  - **Available now in NIPR (CAC-enabled): https://testtrack.nko.navy.mil**
  - **Demo Available Upon Request**

- **Akamai / DISA Distributed Content / Cached Delivery**
  - **Intelligently optimizes routes and replicates content for faster, more reliable delivery. NIPR traffic only integration through DISA**

Defense Information Systems Agency
Department of Defense

Current Capabilities

- ## NeL Applications & Environments (as of July 2009)

	NIPR Production & GCAT	SIPR Production & GCAT
LMS & LCMS	• **LMS Thinq 5.3.1 SP4 (Oracle DB)** • **LCMS OutStart Evolution 2006 (CA Environment)**	• **LMS Thinq 5.3.1 SP4 (Oracle DB)** • **LCMS – none**

Content	• **Rustici Engine v2007.1**
	  - SCORM 1.2 (RTE-3)
	  - SCORM 2004 (3rd ed.)
		• **Rustici Engine v2007.1**
		  - SCORM 1.2
		  - SCORM 2004 (3rd ed.)

	Afloat Scenario 1	Afloat Scenario 2	Afloat Scenario 3
NIAPS AILE Versions	• **NIAPS 1.2** - **AILE 1.5.5** - **Rustici SCORM Engine v2005.1** - **LCMS Evolution 4.0.17 (1.10C Navy Build)**	• **NIAPS 2.0** - **AILE 2.4.1** - **Rustici SCORM Engine v2006.1** - **LCMS Evolution 2006 SP3 (Navy Build)**	• **NIAPS 2.1 and NIAPS 2.2** - **AILE 3.2.4** - **Rustici SCORM Engine v2007.1** - **LCMS Evolution 2006 SP3 (Navy Build)**
Content Supported	• **SCORM 1.2 (RTE-3)** • **SCORM 2004** • **Evolution 4.0.17 (Navy Build) native exported content**	• **SCORM 1.2 (RTE-3)** • **SCORM 2004 (2nd ed.)** • **Evolution 2006 SP3 (Navy Build) native exported content and some 4.0.17 (Navy Build) native exported content**	• **SCORM 1.2 (RTE-3)** • **SCORM 2004 (3rd ed.)** • **Evolution 2006 SP3 (Navy Build) native exported content and some 4.0.17 (Navy Build) native exported content**

Note: All Afloat instances require a 12-18 month update cycle (from the time new implementation is introduced into the environment) to touch all vessels

Content Processing Flow
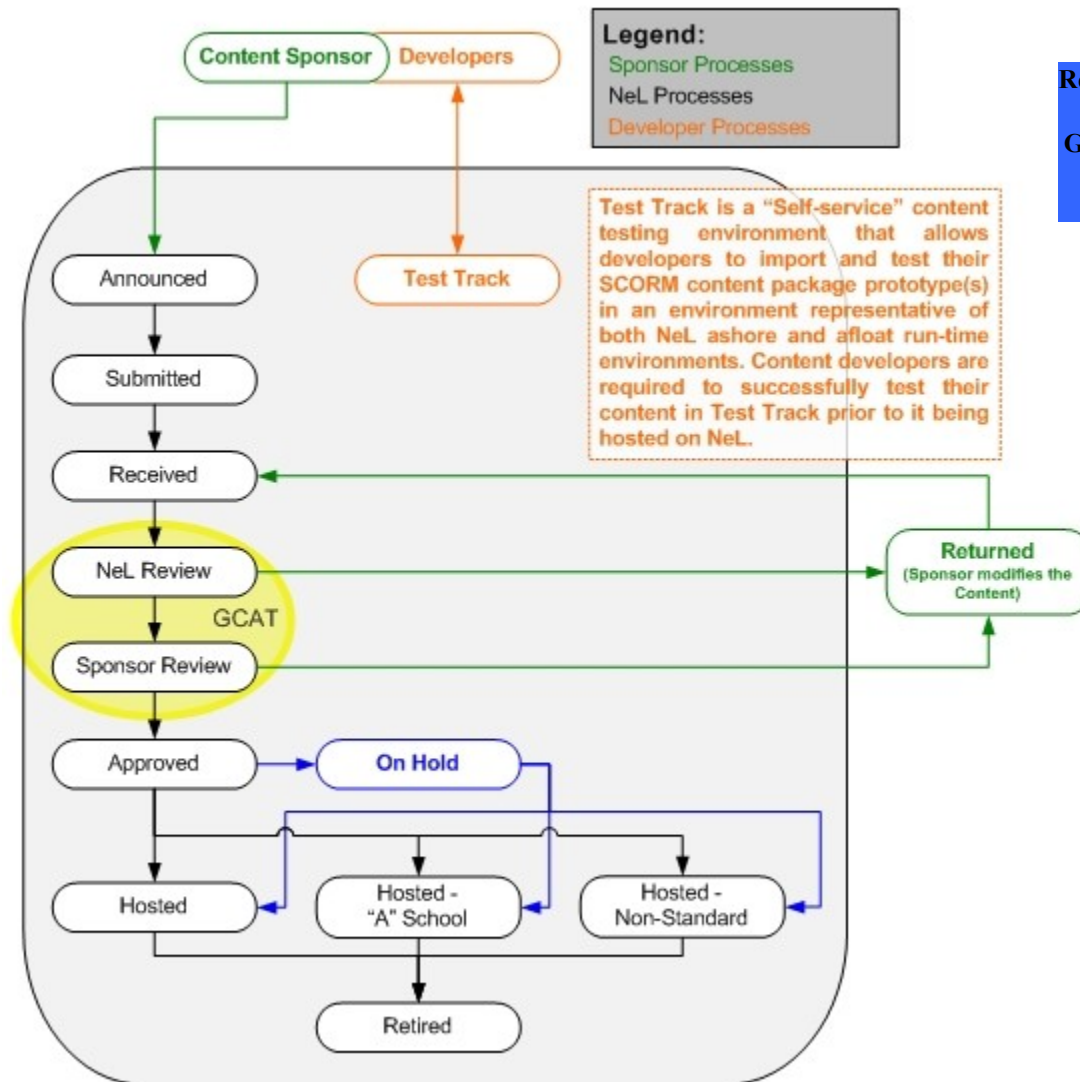
Problem Areas, Shortfalls

- **Accountability & Funding**
  - Life Cycle Maintenance: Difficult to keep up with maintaining submissions to the ADL-R without a repository and additional resources
  - Inconsistent Content Development Deliverables: Standardization of the acquisition process and Statements of Work (SOW) Templates would be useful
  - Information Assurance

Solutions
  - An open-source repository tool for all services that facilitates 1322.26 compliance and improves potential for life cycle maintenance, archival and sharing
  - Need agreement amongst Services on a common use of metadata before quality expectations can be met (e.g. classification use, learning objective use, duration, keyword use, etc.)
  - Standardized Certification and Accreditation Procedures

NeL Help Site

https://ile-help.nko.navy.mil/ile/

Policy, Account Requests (LMS Admin & Learner, LCMS Developer/Reviewer, GCAT, Content Forecasting Service), Content Announcements/Submissions, and General Inquiries

Site Undergoing Changes to Provide Customers with Updated Information

Look for Branding/Terminology Changes: ILE > NeL

Inter-Service Collaboration

Shared Content	Number	Share Type	Source
Language Courses (LingNet, GLOSS, CIP)	304	Provided By	Defense Language Institute
Driving for Life	1	Provided By	United States Marine Corps (USMC)
Joint Service Knowledge Courses	12	Provided By	Joint Knowledge Development and Distribution Capability (JKDDC)
Prevention of Sexual Harassment (POSH)	2	Provided To	Office of Diversity Management and Equal Employment Opportunity
Operational Security (OPESEC) GMT	1	Provided To	United States Coast Guard (USCG)
Trafficking In Persons	1	Provided By	JKDDC
Navy / General Military Training	800	Provided To	EUCOM (European Command) / NAVEUR

Inter-Service Collaboration

Shared Applications	Year	Share Type	Source
SCORM Relayer	2003	Shared By	United States Marine Corps (USMC)
Rustici SCORM Engine	2006	Shared By	United States Marine Corps (USMC)
QuestionMark Perception	2006	Shared with	United States Marine Corps (USMC)
SCORM Test Track	2008	Shared with	United States Marine Corps (USMC)
Navy eLearning	Ongoing	Shared with	USMC, Coast Guard